

# Missouri Department of Transportation Job Description

**Job Title:** Pavement Specialist

**Title Code:** R05021

**Salary Grade:** 7

**Exemption Status:** Non-Exempt

**Supervisory Responsibilities:** None

**District/Division:** District Offices – as assigned

**Effective Date:** 06-01-2025

**Replaces (Effective Date):** 07-01-2022

## **General Summary**

The pavement specialist assists with pavement type selections and pavement rehabilitation strategies; assists in sampling and analyzing data for pavement solutions during construction and maintenance activities. Responsibilities are performed under moderate supervision.

## **Minimum/Required Qualifications**

- Bachelor's degree in engineering from an ABET-accredited college or university curriculum.
- OSHA 10-Hour Certification required within 90 days.

## **Special Working Conditions/Job Characteristics**

- Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.
- Job may require operation of vehicles to plow snow and spread ice control materials.
- A postsecondary degree is the best measure to ensure candidates possess required engineering knowledge, including in applied physics and mathematics, drafting, engineering processes and procedures, project management, industry ethical standards, and analyzing and modeling data.

## **Examples of Work**

1. Participates in the district pavement planning process to ensure proper pavement treatments for state roads are prepared and available based on budgets, pavement conditions, and department asset management plan.

2. Assists in developing and communicating the annual district pavement plan for all pavement-related activities.
3. Assists in ensuring quality work is performed on the pavement plan by identifying and tracking the performance of pavement maintenance and improvement products; participates in pre-operations meetings, equipment calibration, equipment operation, and determining application rates.
4. Collects pavement data, compares treatment life expectancies with actual performance, and compares strategies to utilize funds effectively.
5. Participates in district core team meetings.
6. Assists in the evaluation of new pavement technologies, including providing data on experimental technologies.
7. Assists in pavement investigations and collecting data on pavement failures
8. Performs other responsibilities as required or assigned.